

Features

- True double-conversion online UPS
- Output power factor 0.9
- User-friendly and easy-shift LCD display
- Rack/Tower design
- Programmable power management outlets
- 50/60Hz frequency converter mode
- ECO and advanced ECO mode for energy saving
- Emergency power off function (EPO)
- Hot-swappable battery design



MODEL	Custos 9X+ 1K	Custos 9X+ 1K(L)	Custos 9X+ 1.5K	Custos 9X+ 1.5K(L)	Custos 9X+ 2K	Custos 9X+ 2K(L)	Custos 9X+ 3K	Custos 9X+ 3K(L)	
CAPACITY	1000 VA / 900W	1000 VA / 800W	1500 VA / 1350W	1500 VA / 1200W	2000 VA / 1800W	2000 VA / 1600W	3000 VA / 2700W	3000 VA / 2400W	
INPUT									
Nominal Voltage	208/220/230/240 VAC								
Voltage Range	110-300 VAC ± 5%								
Frequency Range	40Hz ~ 70 Hz								
Phase	Single phase with ground								
Power Factor	≥ 0.99 @ nominal voltage (100% load)								
OUTPUT									
Output Voltage	208/220/230/240 VAC								
AC Voltage Regulation (Batt. Mode)	± 1%								
Frequency Range (Synchronized Range)	47 ~ 53 Hz								
Frequency Range (Batt. Mode)	50 Hz ± 0.5%								
Current Crest Ratio	5:1 (max.)								
Harmonic Distortion	≤ 2 % THD (Linear Load); ≤ 8 % THD (Non-linear Load)								
Transfer Time	AC Mode to Batt. Mode	Zero						Inverter to Bypass	4 ms (Typical)
Waveform (Batt. Mode)	Pure Sinewave								
EFFICIENCY									
AC Mode	86% (typical), 88% (peak)				88% (typical), 90% (peak)				
Battery Mode	83% (typical), 86% (peak)				85% (typical), 88% (peak)				
BATTERY									
Battery Type	12 V / 9 AH	Depending on the capacity of external batteries	12 V / 9 AH	Depending on the capacity of external batteries	12 V / 9 AH	Depending on the capacity of external batteries	12 V / 9 AH	Depending on the capacity of external batteries	
Numbers	2		3		4		6		
Typical Recharge Time	4 hours recover to 90% capacity		4 hours recover to 90% capacity		4 hours recover to 90% capacity		4 hours recover to 90% capacity		
Charging Current (max.)	1.0A	4A or 8A	1.0A	4A or 8A	1.0A	4A or 8A	1.0A	4A or 8A	
Charging Voltage	27.4 VDC ± 1%		41.1 VDC ± 1%		54.7 VDC ± 1%		82.1 VDC ± 1%		
INDICATORS									
LCD Panel	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator								
ALARM									
Battery Mode	Sounding every 4 seconds								
Low Battery	Sounding every second								
Overload	Sounding twice every second								
Fault	Continuously sounding								
PHYSICAL									
Dimension, D X W X H (mm)	380 x 438 x 88[2U]		480 x 438 x 88[2U]		480 x 438 x 88[2U]		600 x 438 x 88[2U]		
Net Weight (kgs)	12.9	8.6	17.6	10.7	20.6	11.3	28	13.8	
ENVIRONMENT									
Humidity	20-90 % RH @ 0- 40°C (non-condensing)								
Noise Level	Less than 50dBA @ 1 Meter								
MANAGEMENT									
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC								
Optional SNMP	Power management from SNMP manager and web browser								

* *Derate capacity to 95% when the output voltage is adjusted to 115VAC, derate capacity to 90% when the output voltage is adjusted to 110VAC and derate capacity to 80% when the output voltage is adjusted to 100VAC

* Product specifications are subject to change without further notice